1947-48

195 **File No.** 8629/36

B CLASS

P. W. **DEPARTMENT**
E (1) **BRANCH**

Subject:— Establishment

Public Works Department

Required for carrying out

the post-war development

works.

B [K] 48

E (1)

File No. 8629/36

Ed. Scott. Blp. 91 A

G R., G D., No 2408, dated 22-6-22.]

Correspondence .

DOCKET SHEET (B)

Subject :—

File No. 8629/36

Public Works **DEPT.**

E (1) **BRANCH.**

References :—

Date.	To whom sent.	Notes and instructions.

The question of the Public Works Department future establishment, and the organisation necessary to carry on the maintenance and repairs of the existing works, and at the same time prepare the projects for and carry out the execution of, all those works that are generally known as Post War Development Works, is a very big and complicated one, deserving far greater attention and sympathy than it appears to receive. Whereas the Agricultural Engineering staff, the Housing Staff etc. are responsible for but one item only each, and that although given fairly high priority, a relatively small item; the Public Works Department is responsible for many large and important items also of equally high priority. For instance during the first 5 years the Public Works Department is to be responsible for :-

Village Water Supply	2.5	Crores
Major Irrigation Works	9.5	Crores
Public Health Works	1.9	Crores
Roads	5.7	Crores
Buildings	5.0	Crores
National Highways (Government of India)	3.0	Crores
Normal P.W.D. Works	8.4	Crores
Total	36.0	Crores.

These works are spread out over the whole Province, many in isolated and unhealthy areas, difficult to supervise, inaccessible, and lacking attraction both to staff and Contractors.

2. The normal Public Works Department establishment found by long experience as necessary to maintain successfully the normal works, Irrigation, Roads, Buildings, Public Health,

and.....

and Electricity, comprises 2 Chief Engineers, 5 Superintending Engineers, and 25 Divisions with in addition 2 Deputy Secretaries. Various retrenchment Committees have from time to time considered this strength in great detail but have found it quite impossible, except at the deliberate cost of efficiency, to make any appreciable reduction. It must be realised that this establishment is spread out throughout the whole Province.

3. When the second World War was nearing its end, it was realised that much must be undertaken to ensure as smooth as possible a transition from War to Peace and a little dislocation of employment as could reasonably be arranged. With this end in view large programmes of Post War Development were prepared, covering all possible activities; it was realised that the Public Works Department would be required to assist in almost all spheres and that it was necessary to try to expand rapidly the establishment that in the previous years had been so ruthlessly cut down.

4. It very quickly become obvious that this task would not be easy, there were counter-attractions on all sides; the Military Engineering Services were still needing men; the Railways required them badly; Civil Aviation was rushing ahead; Contractors, Architects, Engineers and Builders all were needing trained men and all were prepared to pay more for them than Government, whilst at the same time a campaign of criticism and abuse, even in Government Circles, began I feel quite without

justification, against the officers and the works of the Department, with the result that Candidates who would normally have entered Government Service held aloof and even College Graduates offered guaranteed appointments either did not take them up at all or having taken them up, quickly resigned from them.

5. In spite of this vast projects were prepared including the huge Road Programme covering the whole Province and estimated even at its latest reduced figures to cost at least One Hundred Crores. Schemes for Water Supply and Sanitation were prepared for many large towns; the vast proposals for the Electric Grid were prepared; the consideration of Major Irrigation Works in all Divisions of the Province was taken up and later all staff was made to realise that the huge task of Village Water Supply was to be given first priority.

6. To carry out these works it has been necessary to expand the organisation, but this has been done carefully and economically; first special Road Project Divisions were opened to prepare the Road Plan which was required by the Government of India; A Buildings Project Division was opened to prepare and get approved type designs for various buildings; An Irrigation Projects Division to check up and revise existing major Irrigation schemes; A separate Electric Grid organisation under a Special Officer, now termed the Electrical Commissioner with the Government of Bombay, was started. A Chief Engineer was appointed to co-ordinate the efforts of all these project organisations,

to.....

to tour thoroughly in order to explain to the people what was contemplated and to report to Covernment the views of the Public.

7. As work has progressed changes have been made, the Roads Project Divisions, having prepared the main programme, were no longer necessary and their work has been taken over by the existing Divisions, but on the other hand the necessity to expedite major irrigation schemes and to prepare additional ones has necessitated the formation of an Irrigation Project Division for each Division of the Province; North, Central, and South.

8. Now a further stage has been reached when construction on a big scale is to be started immediately, and the necessity for new Divisions is clear. Projects for large Dams, costing from 1½ to 2 Crores each, at Vir and Gangapur have been submitted to Covernment for approval and are to start this year, a new Division with the necessary Sub-divisions, for each must be opened at once; the big water supply project known as the Neersagar Project, for supply to Dharwar and Hubli Towns is ready and a new Division for its construction is essential. The present Public Health Works Division comprises no less than 8 Sub-divisions and is in charge of large Works scattered over a vast area stretching from Sholapur to Ahmedabad; it is essential to split this Division into two without delay. Mr. G.N. Pandit I.S.E. is to take charge of the investigations into the possibilities of Multi-purpose schemes on the Tapti and the Narbada Rivers for the benefit of Gujarat and to safeguard that

portion.... ..

portion of the Province from floods; this officer is to work under the guidance of the Central Waterways Irrigation and Navigation Commission and it is estimated by that body that he will require two Divisions to deal with the work in this Province; they will probably be necessary within the next two or three months.

9. It will thus be seen that four new Divisions must be opened immediately and two more very shortly. This will mean a total of some 35 Divisions, and will require further expansion as additional works are taken up.

10. It will be realised that to enable all these works to proceed satisfactorily considerable extra establishment must be recruited, Executive Engineers, Deputy Engineer, Overseers, and Sub-Overseers are urgently required and they cannot be found by up-grading the existing personnel; already this has, in my opinion, been done to excess. I am therefore proposing separately to recruit what may at first appear a somewhat excessive number of temporary personnel immediately, as all will require some training before they can be given independent charges.

11. Detailed proposals for the new Divisions suggested in paragraph 8 above are also being separately submitted. It is however necessary that a clear idea of the establishment position is now given, this is as follows :-

Officers.....

Officers available	I.S.E.	16
"	B.S.E.(I)	28
"	B.S.E.(II)	55
Temporary Officers available		5
	Total	104
On Loan to other Departments		19
	Balance	85
On leave and deputation		9
Net Officers available		76.
Required for existing charges		168
	Shortage	92
Required for new charges immediately		20
∴ Gross Shortage		112.

It will thus be seen that approximately 90 Subordinates or roughly 25% of the Cadre are officiating as Deputy Engineers, and many of these are definitely below the minimum standard required. I therefore feel that despite any representations that may be made by the B.S.E. and S.S.E. Associations new blood must be introduced by outside recruitment not only to the Overseer cadre but also to the cadres of Executive/ Engineers and Deputy Engineers.

12. On receipt of general approval to these suggestions, each one will be submitted in full detail.

Id/-
14-4-42.

H.M.,P.W.D.
Id/-
16-4-47

Please get down to the various prosposals in this note & see that they are submitted without delay, one by one.

Id/-
16-4-47.

VERY URGENT.
8608/36-E(I).

Letter.

Public Works Department,
Bombay Castle, 21st April 1947.

To

The Chief Engineer,

Public Works Department.

Subject:- Opening of new Divisions for the construction of Vir and Gangapur Dams.

.....

It is proposed to open a new Division with three Sub-divisions for the construction of a Dam at Vir. You are therefore requested to submit to Government details showing the staff required for the proposed Division as well as the Sub-divisions, the date from which the Division and the Sub-divisions are required to be started and the period for which they are required.

2. It is also proposed to open a new Division with three Sub-divisions for the construction of the Gangapur Dam. You are requested to submit to Government full details as indicated in paragraph 1 in respect of the proposed Division and the Sub-divisions for the Gangapur Dam.

3. Please submit your proposals for each of the new Divisions separately, as soon as possible,.

By order of the Governor of Bombay,

Sd/- D. N. Danwala

for Deputy Secretary to the Government of Bombay,
Public Works Department.

D.A.-Nil.

ADS/-

VERY URGENT. Letter. Public Works Department,
No.7191/36-VI-S(I). Bombay Castle, 21st April 1947.

To

The Public Health Engineer to Government.

Subject:-Opening of a new Division for the construction of the Neersagar Dam and the Water Supply Scheme.

It is proposed to open a new Division with three subdivisions for the construction of the Neersagar Dam and the Water Supply Scheme of Neersagar. You are therefore requested to submit to Government complete proposals showing details of staff required for the Division as well as the Sub-divisions, the date from which the Division and the Sub-divisions, are required to be started and the period for which they are required.

2. Please submit your proposals through the Chief Engineer, Public Works Department, as soon as possible.

By order of the Governor of Bombay,

Sd/-

for Deputy Secretary to the Government of Bombay,

Public Works Department.

D.A.-Nil.

Copy to the Chief Engineer, Public Works Department, for information.

ADS/-

VERY URGENT. P.W.Deptt.

It is proposed to ask the P.S.C. to appoint Temporary Executive Engineers and Temporary Deputy Engineers required by this Department. In the requisition submitted should any be included for the organisation under your control; if so please say how many.

Id/- R.H.H(ammett).
16-4-47.
Secy. (Irrign.).

Jt.Secy.,R.C.D.

or

Director of Agriculture(Engineering).

Housing Commissioner.

ADS/-

8530/36

P.W.Deptt.

E.B.(I).

Submitted for information with ref. to the Secy(I)'s note dated the 16-4-47.

2. In accordance with the Secy(I)'s orders on p.7 ante, action has been taken as follows:-

(1) Opening of a new Dn. for the construction of a Dam at Vir.-

In G.L.No.8608/36-E(I), dated the 21-4-47, details showing the staff required for the proposed Dn. as well as the Sub-dns. were called for from the C.E., P.W.D. These have since been recd. and are being dealt with separately.

(2) Opening of a new Dn. with three Sub-dns. for the construction of the Gangapur Dam.-

In G.L. quoted above, details showing the staff required for the proposed Dn. and the Sub-dns. were called for from the C.E., P.W.D. These have also been received and are being dealt with separately.

(3) Opening of a new Dn. for the construction of the Neersagar Dn. and the W.S.Scheme.-

Complete proposals showing details of staff required for the proposed Dn. as well as the Sub-dns. have been called for from the P.H.E. to Govt. in G.L. No.7191/36-VI-E(I), dated the 21-4-47, a reply to which is awaited.

(4) Opening of a new Dn. for P.H.Works in Gujrat.-

Proposals re: this Dn. have since been recd. from the P.H.E. to Govt. and are being dealt with separately.

(5) Opening of two new Dns. for the Narbada and Tapti rivers.-

Further developments are awaited.

.....

3. Pl. see copy of the Secy.(I)'s note, dated the 18-4-47. On receipt of the information called for therein from the Jt. Secy., R.C.D. and the Housing Commr., consolidated proposals re: staff requirements have been submitted to Govt. for general approval.

Await.

Id/-
6-5-47.

* Yes, but direct least delay.

Id/-
7-5-47.

* Noted, sir.

Id/-
7-5-47.

ADS/-

8629/36.

P.W.D.

E.B.(I).

Submitted with ref. to the O.N., dt. the 6-5-1947.

2. Details reg: the staff required for the proposed Vir Dam as ~~xhm~~ well as the Sub-dns. were received from the C.E., P.W.D. But the Dn. as well as the Sub-dns. are not to be opened until an agreement is reached with the Bhor State and ~~if~~ so the papers have been kept in"await".

3. Gangapur Storage Dn. with its three sub-dns. have been opened (vide G.R. No.8640/36, dt. the 23rd July 1947), for the construction of the Gangapur Dam.

4. The opening of a new Dn. and sub-dns. for the construction of the Neersagar Dam is still under consideration. However one sub-dn~~.~~.is opened as per G.L.No.8628/36-E(I), dt. the 7th July 1947.

5. A new Dn. called the Northern Sanitary Dn., in Gujarat, is opened as per G.R.No.8638/36, dt. the 23rd July 1947, for the investigation, preparation and construction of Public Health Works in the Gujarat Zone.

6. Two new Dns. have been created, one for the Narbada River and the other for the Tapti River in the Province of Bombay with four sub-dns. for each Dn. vide G.R. No.8832/36, dt. the 10th Oct. 1947. These Dns. are placed under the technical and ~~xxxxx~~ administrative control of the CWINC, through th Project Officer.

7. Further developments as regards para 2 and 4 may be awaited.

Thro' I.B.(II).

Id/- G.A.C.
2-1-48

E.B.(I). P.W.D.

Resubmitted with refce. to para 7 of the O.M. overleaf.

2. A Dn. known as "Karnatak Sanitary Dn." for the construction of the Neeraagar Water Supply Scheme has since been enactd. under G.R. No. 8628/36, dated the 4th March 1948.

3. The question of sanctioning Staff for the construction of the Vir Dam will be taken up when the project is administratively approved.

Id/-
21-5-48.

Thro' I.B.(II).

I.B.(II).

4. The S.E., D.I.C. has been asked to revise the Vir Dam Project in the light of the present day rates and submit it to Govt. for administrative appl. of Govt., vide G.E. No.5502/36-V-I.B.(II), dated the 5-5-48. The Project is awaited from him.

Id/-
21-5-48.

ADS/-